

Malate dehydrogenase as target for herbicides

Abstract

- 5 The present invention relates to malate dehydrogenase,  
which, when absent, brings about reduced growth and  
chlorotic leaves and is encoded by the nucleic acid sequence  
SEQ ID NO:2 or by a functional equivalent of this nucleic  
acid sequence, as target for herbicides. For this purpose,  
10 novel nucleic acid sequences encompassing SEQ ID NO:2 and  
functional equivalents of SEQ ID NO:2 are provided.  
Moreover, the present invention relates to the use of the  
abovementioned malate dehydrogenase and its functional  
equivalents in a method for identifying compounds with  
15 herbicidal or growth-regulatory activity, and to the use of  
the compounds identified by this method as herbicides or  
growth regulators.